

**STS-100 LAUNCH DAY VIDEO REVIEW**  
**KSC Photo/Video Analysis Team**  
**19 April 2001**

**Significant Anomalies**

None

**Minor Anomalies**

None.

**Funnies**

None.

**Observations**

Free burning hydrogen was visible near the orbiter base heat shield and base of vertical stabilizer. (OTV 070, 071, TV 7, 21).

Numerous pieces of ice from the ET/ORB umbilical shook loose and contacted umbilical sill tiles, but no damage was detected (OTV 009, 063, 054).

Nominal elevon movement was observed at SSME ignition.

LH2 and LO2 T-0 umbilical disconnect was normal (OTV 049, 050).

Small pieces of ice dislodged from ice/frost ball on aft side of the ET +Y vertical strut closeout (OTV 054).

Several ice/frost particles observed falling aft from forward LOX feedline bellows. No evidence of contact with Orbiter lower surface (OTV 061).

Four particles observed falling aft under the left hand wing. No evidence of contact with the Orbiter lower surface (OTV 009).

**Notes**

A total of 19 videos were made available for review.

Review of long range tracking films is scheduled to begin Friday afternoon, April 20<sup>th</sup>, 2001.

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